

FILEID**DEFKEY

N 1

DDDDDDDDDD	EEEEEEEEE	FFFFFFFFF	KK	KK	EEEEEEEEE	YY	YY	
DDDDDDDDDD	EEEEEEEEE	FFFFFFFFF	KK	KK	EEEEEEEEE	YY	YY	
DD	DD	EE	FF	KK	KK	EE	YY	YY
DD	DD	EE	FF	KK	KK	EE	YY	YY
DD	DD	EE	FF	KK	KK	EE	YY	YY
DD	DD	EE	FF	KK	KK	EE	YY	YY
DD	DD	EE	FF	KK	KK	EE	YY	YY
DD	DD	EEEEEEEEE	FFFFFFFFF	KKKKKK	EEEEEEEEE	YY		
DD	DD	EEEEEEEEE	FFFFFFFFF	KKKKKK	EEEEEEEEE	YY		
DD	DD	EE	FF	KK	KK	EE	YY	
DD	DD	EE	FF	KK	KK	EE	YY	
DD	DD	EE	FF	KK	KK	EE	YY	
DD	DD	EE	FF	KK	KK	EE	YY	
DD	DD	EE	FF	KK	KK	EE	YY	
DDDDDDDDDD	EEEEEEEEE	FF	KK	KK	EEEEEEEEE	YY		
DDDDDDDDDD	EEEEEEEEE	FF	KK	KK	EEEEEEEEE	YY		

! Define a key
! File: DEFKEY.BLI Edit: JBS1005

```
1 0001 0 XTITLE 'EDT$DEFKEY - define a key'  
2 0002 0 MODULE EDT$DEFKEY ( ! Define a key  
3 0003 0 IDENT = 'V04-000'  
4 0004 0 ) =  
5 0005 1 BEGIN  
6 0006 1  
7 0007 1 *****  
8 0008 1 *  
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26 0026 1 *  
27 0027 1 *  
28 0028 1 *****  
29 0029 1  
30 0030 1  
31 0031 1 ++  
32 0032 1 FACILITY: EDT -- The DEC Standard Editor  
33 0033 1  
34 0034 1 ABSTRACT:  
35 0035 1  
36 0036 1 Define a key  
37 0037 1  
38 0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant  
39 0039 1  
40 0040 1 AUTHOR: Bob Kushlis, CREATION DATE: 6-AUG-1979  
41 0041 1  
42 0042 1 MODIFIED BY:  
43 0043 1  
44 0044 1 1-001 - Original. DJS 18-FEB-1981. This module was created by  
45 0045 1 extracting routine EDT$SDEFK from module EDTCTR.  
46 0046 1 1-002 - Regularize headers. JBS 04-Mar-1981  
47 0047 1 1-003 - Implement virtual memory deallocation. TMV 6-Aug-81  
48 0048 1 1-004 - Return an error code to distinguish the types of errors. JBS 18-May-1982  
49 0049 1 1-005 - New implementation of defined keys. JBS 13-Aug-1982  
50 0050 1 --  
51 0051 1
```

```
53      0052 1 XSBTTL 'Declarations'  
54      0053 1 !  
55      0054 1 ! TABLE OF CONTENTS:  
56      0055 1 !  
57      0056 1 !  
58      0057 1 REQUIRE 'EDTSRC:TRAROUNAM';  
59      0496 1 !  
60      0497 1 FORWARD ROUTINE  
61      0498 1 EDT$$DEFK;  
62      0499 1 !  
63      0500 1 !  
64      0501 1 ! INCLUDE FILES:  
65      0502 1 !  
66      0503 1 !  
67      0504 1 REQUIRE 'EDTSRC:EDTREQ';  
68      0639 1 !  
69      0640 1 LIBRARY 'EDTSRC:KEYPADDEF';  
70      0641 1 !  
71      0642 1 !  
72      0643 1 ! MACROS:  
73      0644 1 !  
74      0645 1 !     NONE  
75      0646 1 !  
76      0647 1 ! EQUATED SYMBOLS:  
77      0648 1 !  
78      0649 1 !     NONE  
79      0650 1 !  
80      0651 1 ! OWN STORAGE:  
81      0652 1 !  
82      0653 1 !     NONE  
83      0654 1 !  
84      0655 1 ! EXTERNAL REFERENCES:  
85      0656 1 !  
86      0657 1 !     In the routine
```

```
88 0658 1 XSBTTL 'EDT$$DEFK - define a key'
89 0659 1
90 0660 1 GLOBAL ROUTINE EDT$$DEFK (
91 0661 1     KEY
92 0662 1     STRING,
93 0663 1     LEN
94 0664 1     ) =
95 0665 1
96 0666 1     ++
97 0667 1     FUNCTIONAL DESCRIPTION:
98 0668 1
99 0669 1     Define a key. It is entered in the table of defined keys
100 0670 1     so that EDT$$FIND_KEY can find it.
101 0671 1
102 0672 1     FORMAL PARAMETERS:
103 0673 1
104 0674 1     KEY          Key number to define
105 0675 1
106 0676 1     STRING        Address of new definition string
107 0677 1
108 0678 1     LEN           Length of that definition
109 0679 1
110 0680 1     IMPLICIT INPUTS:
111 0681 1
112 0682 1     NONE
113 0683 1
114 0684 1     IMPLICIT OUTPUTS:
115 0685 1
116 0686 1     EDTSSA_TRN_TBL
117 0687 1
118 0688 1     ROUTINE VALUE:
119 0689 1
120 0690 1     1 = key defined
121 0691 1     any even number - an error code to be printed using EDT$$OUT_MSG.
122 0692 1
123 0693 1     SIDE EFFECTS:
124 0694 1
125 0695 1     Allocates dynamic memory for the key definition
126 0696 1
127 0697 1     --
128 0698 1
129 0699 2     BEGIN
130 0700 2
131 0701 2     EXTERNAL ROUTINE
132 0702 2     EDT$$TST_BADK,
133 0703 2     EDT$$SCAN_KDEF,
134 0704 2     EDT$$ALO_HEAP:
135 0705 2
136 0706 2
137 0707 2     EXTERNAL
138 0708 2     EDTSSA_TRN_TBL : VECTOR;           ! The keypad translation table
139 0709 2
140 0710 2
141 0711 2     LOCAL
142 0712 2     KEY_PTR : REF BLOCK [, BYTE] FIELD (KEY_DEF_FIELD),
143 0713 2     STATUS;
144 0714 2
```

EDT\$DEFKEY
V04-000 EDT\$DEFKEY - define a key EDT\$\$DEFK - define a key 16-Sep-1984 00:16:52 14-Sep-1984 12:22:53 VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1 Page 4 (3)

```
145 0715 2 IF EDT$$TST_BADK (.KEY) THEN RETURN (EDT$_KEYNOTDEF);
146 0716 2
147 0717 2 |+
148 0718 2 | Cancel any existing definition of the key.
149 0719 2 |-
150 0720 2 STATUS = EDT$SCAN_KDEF (.KEY);
151 0721 2
152 0722 2 IF ( NOT .STATUS) THEN RETURN (.STATUS);
153 0723 2
154 0724 2 |+
155 0725 2 | Allocate storage to hold the key definition.
156 0726 2 |-
157 0727 2
158 0728 2 IF ( NOT EDT$ALO_HEAP (%REF (.LEN + KEY_DEF_OVERHEAD), KEY_PTR)) THEN RETURN (EDT$_INSMEM);
159 0729 2
160 0730 2 |+
161 0731 2 | Load up the key definition block and store in the table.
162 0732 2 |-
163 0733 2 KEY_PTR [KEY_DEF_NEXT] = .EDT$SA_TRN_TBL [.KEY MOD K_KPAD_HASHSIZ];
164 0734 2 KEY_PTR [KEY_DEF_KEY] = .KEY;
165 0735 2 KEY_PTR [KEY_DEF_LEN] = .LEN;
166 0736 2 EDT$SA_TRN_TBL [.KEY MOD K_KPAD_HASHSIZ] = .KEY_PTR;
167 0737 2 EDT$SCPY_MEM (.LEN, .STRING, CHSPTR (KEY_PTR [KEY_DEF_TEXT]));
168 0738 2 RETURN (T);
169 0739 1 END;      ! of routine EDT$$DEFK
```

```

.TITLE EDT$DEFKEY EDT$DEFKEY - define a key
.IDENT \V04-000\

.EXTN EDT$STST_BADK, EDT$SCAN_KDEF
.EXTN EDT$SALO_HEAP, EDT$SA TRN TBL
.EXTN EDTS_KEYNOTDEF, EDTS_INSMEM

.PSECT _EDTS$CODE,NOWRT, SHR, PIC,2

.ENTRY EDTS$DEFK, Save R2,R3,R4,R5 : 0660
SUBL2 #8, SP
PUSHL KEY : 0715
CALLS #1, EDT$STST_BADK
BLBC R0, 1$ : 0720
MOVL #EDTS_KEYNOTDEF, R0
RET : 0722
PUSHL KEY : 0728
CALLS #1, EDT$SCAN_KDEF
BLBC STATUS, 3$ : 0722
PUSHAB KEY_PTR : 0728
ADDL3 #7, LEN, 4(SP)
PUSHAB 4(SP)
CALLS #2, EDT$SALO_HEAP : 0733
BLBS R0, 2$ : 0733
MOVL #EDTS_INSMEM, R0
RET : 0733
MOVL KEY_PTR, R1
EMUL #1, KEY, #0, -(SP)
EDIV #199, (SP)+, R0, R0
MOVAL EDT$SA TRN TBL[R0], R0

```

EDT\$DEFKEY
V04-000

EDT\$DEFKEY - define a key
EDT\$\$DEFK - define a key

F 2
16-Sep-1984 00:16:52
14-Sep-1984 12:22:53

VAX-11 Bliss-32 V4.0-742
DISKS\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1

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	61		60	D0	00060	MOVL	(R0), (R1)	
	04	A1	04	AC	B0 00063	MOVW	KEY, 4(R1)	: 0734
	06	A1	0C	AC	90 00068	MOVB	LEN, 6(R1)	: 0735
			60	51	D0 0006D	MOVL	R1, (R0)	: 0736
07	A1	08	BC	0C	AC 28 00070	MOVC3	LEN, @STRING, 7(R1)	: 0737
			50	01	D0 00077	MOVL	#1, R0	: 0738
					04 0007A 38:	RET		: 0739

: Routine Size: 123 bytes, Routine Base: _EDT\$CODE + 0000

: 170 0740 1
: 171 0741 1 !<BLF/PAGE>

EDT\$DEFKEY
V04-000 EDT\$DEFKEY - define a key
 EDT\$DEFK - define a key
.: 173 0742 1 END
.: 174 0743 1
.: 175 0744 0 ELUDOM

G 2
16-Sep-1984 00:16:52 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:22:53 DISK\$VMSMASTER:[EDT.SRC]DEFKEY.BLI;1 Page 6 (4)

: ! of module EDT\$DEFKEY

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	123	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	-----	Symbols	-----	Pages	Processing
	Total	Loaded	Percent	Mapped	Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	1	0	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
-\$255\$DUA28:[EDT.SRC]KEYPADDEF.L32;1	34	7	20	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:DEFKEY/OBJ=OBJ\$:DEFKEY MSRC\$:DEFKEY.BLI/UPDATE=(ENH\$:DEFKEY)

: Size: 123 code + 0 data bytes
: Run Time: 00:11.5
: Elapsed Time: 00:14.4
: Lines/CPU Min: 3868
: Lexemes/CPU-Min: 12306
: Memory Used: 75 pages
: Compilation Complete

0133 AH-BT13A-SE
VAX/VMS V4.0

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